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UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. First Inventor		SIW-078					
		Atsushi KAMACHI					
Title	THERMOEL	ECTRIC CONVERSION APPARATUS					

(Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. EV 377 651 451 US MS Patent Application **APPLICATION ELEMENTS** Commissioner for Patents ADDRESS TO: P.O. Box 1450 See MPEP chapter 600 concerning utility patent application contents. Alexandria, VA 22313-1450 Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or (Submit an original, and a duplicate for fee processing) Computer Program (Appendix) Applicant claims small entity status. Nucleotide and/or Amino Acid Sequence Submission 8. See 37 CFR 1.27. (if applicable, all necessary) Specification X [Total Pages Computer Readable Form (CRF) a. (preferred arrangement set forth below) b. Specification Sequence Listing on: Descriptive title of the invention
 Cross Reference to Related Applications CD-ROM or CD-R (2 copies); or Paper Statement Regarding Fed sponsored R & D Reference to sequence listing, a table. Statements verifying identity of above copies C. or a computer program listing appendix Background of the Invention **ACCOMPANYING APPLICATION PARTS** - Brief Summary of the Invention - Brief Description of the Drawings (if filed) 9 Assignment Papers (cover sheet & document(s)) х - Detailed Description · Claim(s) 37 CFR 3.73(b) Statement Power of 10. Abstract of the Disclosure (when there is an assignee) 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 9 11. English Translation Document (if applicable) Information Disclosure Copies of IDS 5. Oath or Declaration 12. [Total Sheets Statement (IDS)/PTO-1449 X Newly executed (original or copy) 13. Preliminary Amendment Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) Return Receipt Postcard (MPEP 503) 14. (Should be specifically itemized) Certified Copy of Priority Document JP 2003-083238 15. **DELETION OF INVENTOR(S)** (if foreign priority is claimed) Signed statement attached deleting inventor(s) Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). named in the prior application, 16. Applicant must attach form PTO/SB/35 or its equivalent. see 37 CFR 1.63(d)(2) and 1.33(b). 17. Other: Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation-in-part (CIP) of prior application No.: Continuation Divisional Prior application information: Examiner Art Unit: or CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS х Customer Number: 00959 OR Correspondence address below LAHIVE & COCKFIELD, LLP Name Anthony A. Laurentano 28 State Street Address City **Boston** State MA Zip Code 02109 Country US Telephone (617) 227-7400 (617) 742-4214 Name (Print/Type) Registration No. (Attorney/Agent) 38,220 Anthony A. Laurentano March 23, 2004 Signature Date

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 377 651 451 US, in an envelope addressed to: MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

the date shown below.

Dated: March 23, 2004

Signature:

__ (Anthony A. Laurentano)



PTO/SB/17 (10-03)

Approved for use through 7/31/2006. OMB 0651-0032

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EEE TRANSMITTAL	Complete if Known									
│ FEE TRANSMITTAL		Application Number Not Yet Assigned								
for EV 2004		Filing Date				Concurrently Herewith				
for FY 2004		First Named Inventor				Atsushi KAMACHI				
Effective 10/01/2003, Patent fees are subject to annual revision.		Examiner Name				Not Yet Assigned				
Applicant claims small entity status. See 37 CFR 1.27		Art Unit				N/A				
TOTAL AMOUNT OF PAYMENT (\$) 810.00		Attorney Docket No. SIW-078								
METHOD OF PAYMENT (check all that apply)			_	FEE	CALCULA	TION (co	ntinued)			
Check Credit Money Order Other None	3. ADDITIONAL FEES									
X Deposit Account: Deposit	Large	e Entity	Small	Entity	_					
Account Number 12-0080	Fee Code	Fee (\$)	Fee Code	Fee (\$)	-	Fee Description				
Deposit Account Lahive & Cockfield, LLP	1051	130	2051	65	Surcharge – la	ate filing fe	e or oath			
Name The Director is authorized to: (check all that apply)	1052	50	2052	25	Surcharge – la	rge - late provisional filing fee or cover				
X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130		nglish specification				
X Charge any additional fee(s) or any underpayment of fee(s)	1812	2,520	1812	2,520	For filing a requ	g a request for ex parte reexamination				
Charge fee(s) indicated below, except for the filing fee	1804	920*	1804	920*	Requesting pu	ing publication of SIR prior to				
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting pu	ng publication of SIR after				
FEE CALCULATION	1251	110	2251	55		n for reply within first month				
1. BASIC FILING FEE	1252	420	2252	210	Extension for r	n for reply within second month				
Large Entity Small Entity Fee Fee Fee Fee Fee Description Fee Paid	1253	950	2253	475	Extension for r	reply within	n third month			
Fee Fee Fee Fee Fee Fee Description Fee Paid	1254	1,480	2254	740	Extension for reply within fourth month					
1001 770 2001 385 Utility filing fee 770.00	1255		2255		Extension for reply within fifth month					
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appeal					
1003 530 2003 265 Plant filing fee 1004 770 2004 385 Reissue filing fee	1402 1403	330 290	2402	165 145	Filing a brief in support of an appeal Request for oral hearing					
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	•	-	lic use proceeding			
	1452	110	2452	55	Petition to revi	-				
SUBTOTAL (1) (\$) 770.00	1453	1,330	2453	665	Petition to revi	to revive - unintentional				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501	665	Utility issue fee	sue fee (or reissue)				
Extra Fee from Claims below Fee Paid	1502	480	2502	240	Design issue for	ee				
Total Claims 10 -20** = x = 0.00	1503	640	2503	320	Plant issue fee	ue fee				
Independent 3 -3** = x = 0.00	1460	· 130	1460	130	Petitions to the	to the Commissioner				
Multiple Dependent =	1807	50	1807	50	Processing fee	e under 37				
Large Entity Small Entity	1806	180	1806	180	Submission of	Informatio				
Fee Fee Fee Code (\$) Fee Description	8021	40	8021	40	Recording eac		40.00			
1202 18 2202 9 Claims in excess of 20	1809	770	2809	385		times number of properties) ubmission after final rejection				
1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each addit	additional invention to be				
1204 86 2204 43 ** Reissue independent claims	1801	770	2801	385		(37CFR 1.129(b)) for Continued Examination (RCE)				
over original patent 1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802	900	Request for ex		kamination			
and over original patent	Other	Other fee (specify)								
SUBTOTAL (2) (\$) 0.00 **or number previously paid, if greater; For Reissues, see above	*Redi	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00								
SUBMITTED BY (Complete (if applicable))										
Name (Print/Type) Anthony A. Laurentang		ration No		220			(617) 227-7400)		
		Onto March 22, 200					March 23, 2004			
Signature Date March 23, 2004										

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Dated: March 23, 2004

Signature: